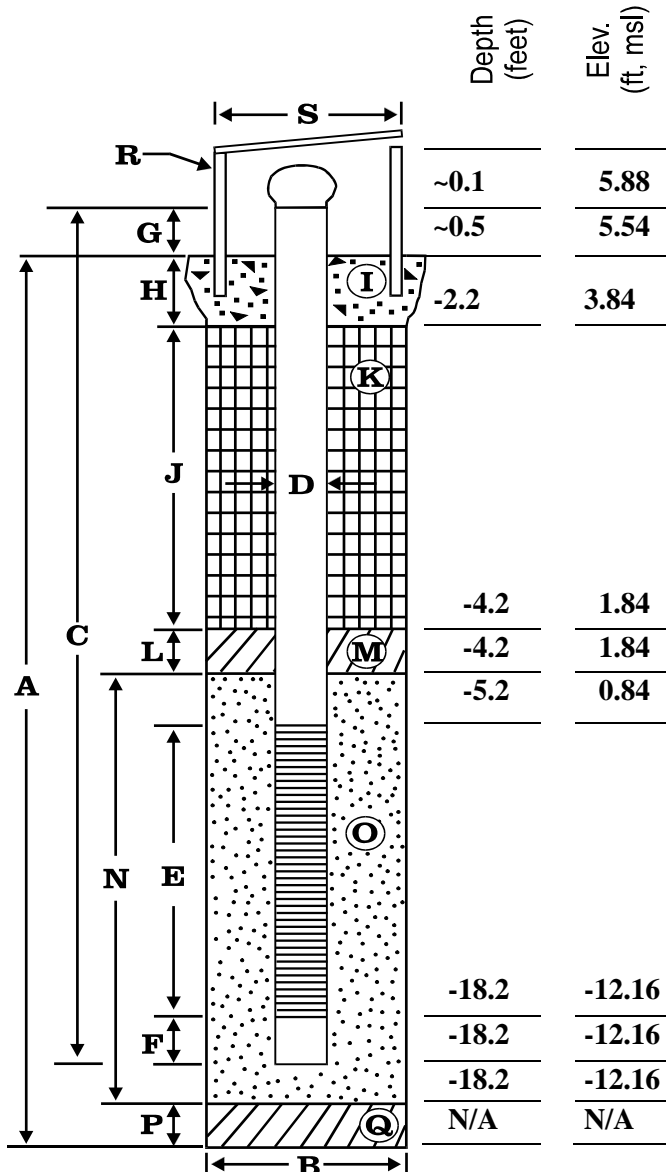




WELL DETAILS

Project Number: 100720-01.01
Client Name: International Paper
Project Name: San Jacinto River Waste Pits
Superfund Site (South Impoundment)
Location: Channelview, Texas
Driller: Major Drilling (Steve)

Boring/Well No.: SJMW001
Top of Casing Elev.: 5.88
Ground Surface Elev.: 6.04
Installation Date: 4/30/12
Permit/Start Card No.: N/A



EXPLORATORY BORING

A. Total depth: 20 ft.
B. Diameter: 4 in.
Drilling method: 4" x 6" sonic

WELL CONSTRUCTION

C. Well casing length: 5.1 ft.
Well casing material: PVC
D. Well casing diameter: 2 in.
E. Well screen length: 13 ft.
Well screen type: PVC
Well screen slot size: 0.01 in.
F. Well sump/end cap length: 0 ft. end cap used
G. Surface seal thickness: 2.5 ft.
H. Surface seal material: neat cement
I. Annular seal thickness: 2 ft.
J. Annular seal material: 3/8" bentonite pellets
K. Filter pack seal thickness: 0 ft.
L. Filter pack seal material: N/A
M. Sand pack thickness: 14 ft.
N. Sand pack material: sand
O. Bottom material thickness: 0 ft.
P. Bottom material: N/A
Q. Vault box type: flush
Well centralizer depths: N/A ft.

NOTES:

N/A/ = not applicable

- Native material noted at ~15' bgs
- Black staining and hydrocarbon odor from ~15 to ~18' bgs
- See previous SJSB004 boring log for lithology (Integral)

Installed by: Major Drilling (Steve)

Reviewed by: Chris Torell

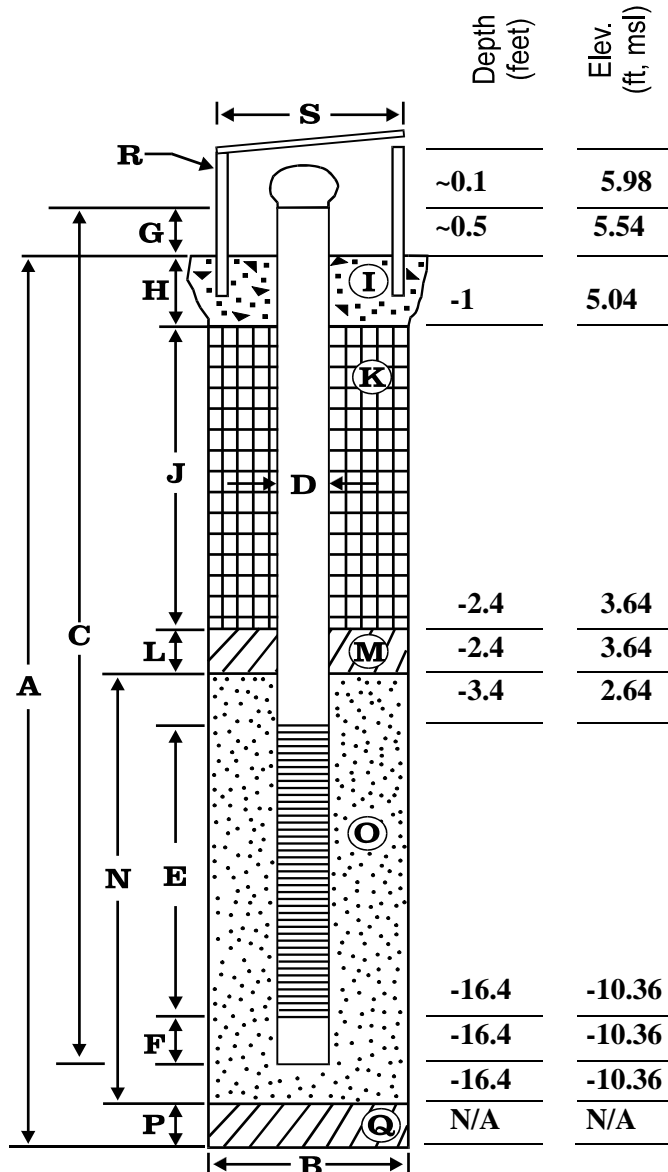
Date: 5/18/12



WELL DETAILS

Project Number: 100720-01.01
Client Name: International Paper
Project Name: San Jacinto River Waste Pits
Superfund Site (South Impoundment)
Location: Channelview, Texas
Driller: Major Drilling (Steve)

Boring/Well No.: SJMW002
Top of Casing Elev.: 5.98
Ground Surface Elev.: 6.04
Installation Date: 5/2/12
Permit/Start Card No.: N/A



EXPLORATORY BORING

A. Total depth: 20 ft.
B. Diameter: 4 in.
Drilling method: 4" x 6" sonic

WELL CONSTRUCTION

C. Well casing length: 3.3 ft.
Well casing material: PVC
D. Well casing diameter: 2 in.
E. Well screen length: 13 ft.
Well screen type: PVC
Well screen slot size: 0.01 in.
F. Well sump/end cap length: 0 ft. end cap used
G. Surface seal thickness: 1 ft.
H. Surface seal material: neat cement
I. Annular seal thickness: 1.4 ft.
J. Annular seal material: 3/8" bentonite pellets
K. Filter pack seal thickness: 0 ft.
L. Filter pack seal material: N/A
M. Sand pack thickness: 14 ft.
N. Sand pack material: sand
O. Bottom material thickness: 0 ft.
P. Bottom material: N/A
Q. Vault box type: flush
Well centralizer depths: N/A ft.

NOTES:

N/A/ = not applicable

- Native material noted at ~18' bgs
- Black staining and hydrocarbon odor from ~14 to ~15' bgs
- See boring log SJSB014 for lithology (Integral)

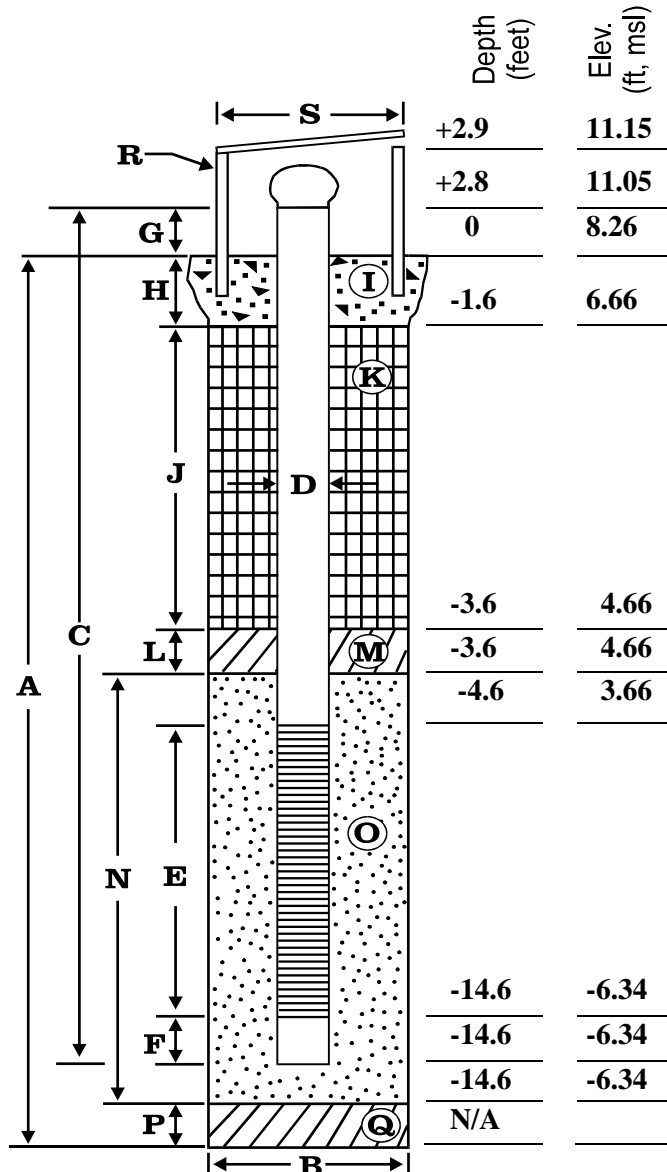
Installed by: Major Drilling (Steve)
Reviewed by: Chris Torell
Date: 5/18/12



WELL DETAILS

Project Number: 100720-01.01
Client Name: International Paper
Project Name: San Jacinto River Waste Pits
Superfund Site (South Impoundment)
Location: Channelview, Texas
Driller: Major Drilling (Steve)

Boring/Well No.: SJMW003
Top of Casing Elev.: 11.05
Ground Surface Elev.: 8.26
Installation Date: 4/30/12
Permit/Start Card No.: N/A



EXPLORATORY BORING

A. Total depth: 20 ft.
B. Diameter: 4 in.
Drilling method: 4" x 6" sonic

WELL CONSTRUCTION

C. Well casing length: 7.4 ft.
Well casing material: PVC
D. Well casing diameter: 4 in.
E. Well screen length: 10 ft.
Well screen type: PVC
Well screen slot size: 0.01 in.
F. Well sump/end cap length: 0 ft. end cap used
G. Well casing height (stickup): 2.75 ft.
H. Surface seal thickness: 1.7 ft.
I. Surface seal material: neat cement
J. Annular seal thickness: 2 ft.
K. Annular seal material: 3/8" bentonite pellets
L. Filter pack seal thickness: 0 ft.
M. Filter pack seal material: N/A
N. Sand pack thickness: 11 ft.
O. Sand pack material: sand
P. Bottom material thickness: 0 ft.
Q. Bottom material: N/A
R. Protective casing material: steel
Well centralizer depths: N/A ft.
S. Protective casing diameter: 4 in.

NOTES:

N/A/ = not applicable

- Native material noted at ~14' bgs
- Hydrocarbon odor at ~13 to ~14' bgs
- See previous SJSB008 boring log for lithology (Integral)

Installed by: Major Drilling (Steve)
Reviewed by: Chris Torell
Date: 5/18/12